

List of carbon fiber monocoque cars

This is a list of production cars with [carbon-fiber monocoque](#) cell design.

Carbon-fiber monocoque design has been commonly used in racing cars since the 1980s, like [Formula racing](#) and [Le Mans series](#) prototypes. The first production car with carbon-fiber monocoque design was the [MCA Centenaire](#). Now many modern sports cars have carbon-fiber monocoque cells, and some big car manufacturers have also started applying the same in passenger cars like the [BMW i3](#).^[1] the Xworks automotive X1 concept was also made in 2004, with a vacuum formed Carbon fibre Monocoque. One of the very first to use actual vacuum process.

Eligible cars

For the purposes of this list, a production car is defined as a vehicle that:

1. has a carbon-fiber monocoque/tub.
2. is constructed principally for retail sale to consumers, for their personal use, to transport people on public roads. No commercial or industrial vehicles are eligible.
3. is available for commercial sale to the public.
4. is manufactured by a manufacturer whose WMI number is shown on the VIN, including vehicles that are modified by either professional tuners or others that result in a VIN with a WMI number in their name. (For example, if a Porsche-based car is remanufactured by RUF and has RUF's WMI W09, it is eligible; but if it has Porsche's WMI, WP0, it is not eligible.)
5. is street-legal in its intended markets, having fulfilled the homologation tests or inspections required under the law of either the United States of America, the European Union, or Japan to be granted this status.
6. is sold in more than one national market.

List

Model	Manufacturer	Nation	First Year of Production	Class	Engine	Induction	Electric motor
Centenaire	MCA		1990	Sports car	4L V12	Twin-turbo	-
MC20	Maserati		2020	Sports car	3L V6	Twin-turbo	-
4C	Alfa Romeo		2013	Sports car	1.75L I4	Turbo	-
Stradale	Dallara		2017	Sports car	2.3L I4	Turbo	-
XJR-15	Jaguar		1990	Sports car	6.0L V12	-	-
EB110	Bugatti		1991	Sports car	3.5L V12	Quad-turbo	-
SLR McLaren	Mercedes-Benz		2003	Sports car	5.4L V8	Supercharger	-
KZ1	Ascarì		2003	Sports car	5.0L V8 (BMW)	-	-
One-77	Aston Martin		2009	Sports car	7.3L V12	-	-
i3	BMW		2013	City car	0.647L I2 (REx models)	-	125 kW
i8	BMW		2013	Sports car	1.5L I3	Turbo	98 kW
Veyron	Bugatti		2005	Sports car	8.0L W16	Quad-turbo	-
Chiron	Bugatti		2016	Sports car	8.0L W16	Quad-turbo	-
GT	Ford		2017	Sports car	3.5L V6	Twin-turbo	-
CC8S	Koenigsegg		2002	Sports car	4.7L V8 (Ford)	Supercharger	-
CCR	Koenigsegg		2004	Sports car	4.6L V8 (based on Ford)	Twin-turbo	-
CCX	Koenigsegg		2005	Sports car	4.7~4.8L V8	Twin-Supercharger	-

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Agera	Koenigsegg		2011	Sports car	5.0L V8	Twin-turbo	-
Regera	Koenigsegg		2015	Sports car	5.0L V8	Twin-turbo	340 kW (160+180)
F50	Ferrari		1995	Sports car	4.7L V12	-	-
Enzo	Ferrari		2002	Sports car	6.0L V12	-	-
LaFerrari	Ferrari		2013	Sports car	6.3L V12	-	120 kW (KERS)
Aventador	Lamborghini		2011	Sports car	6.5L V12	-	-
Countach	Lamborghini		2022	Sports car	6.5L V12	-	48V 34CV
LFA	Lexus		2010	Sports car	4.8L V10	-	-
F1	McLaren		1992	Sports car	6.1L V12 (BMW)	-	-
12C	McLaren		2011	Sports car	3.8L V8	Twin-turbo	-
P1	McLaren		2013	Sports car	3.8L V8	Twin-turbo	131 kW
650S	McLaren		2014	Sports car	3.8L V8	Twin-turbo	-
675LT	McLaren		2016	Sports car	3.8L V8	Twin-turbo	-
570S ^[2]	McLaren		2016	Sports car	3.8L V8	Twin-turbo	-
570 GT	McLaren		2016	Sports car	3.8L V8	Twin-turbo	-
720S	McLaren		2017	Sports car	4.0L V8	Twin-turbo	-
Senna	McLaren		2017	Sports car	4.0L V8	Twin-turbo	-
765LT	McLaren		2020	Sports car	4.0L V8	Twin-turbo	-
CLK-GTR Straßenversion	Mercedes-Benz		1998	Sports car	6.0L V12	-	-

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Zonda	Pagani		1999	Sports car	6.0~7.3L V12 (Mercedes-Benz)	-	-
Huayra	Pagani		2011	Sports car	6.0 V12 (Mercedes-Benz)	Twin-turbo	-
Utopia	Pagani		2022	Sports car	6.0 V12 (Mercedes-Benz)	Twin-turbo	-
911 GT1-98 Straßenversion	Porsche		1998	Sports car	3.2L B6	Twin-turbo	-
Carrera GT	Porsche		2004	Sports car	5.7L V10	-	-
918 Spyder	Porsche		2013	Sports car	4.6L V8	-	205 kW
Murtaya	ALS Sports Cars		2006	Kit car	2.0L B4 (Subaru)	Turbo	-
SCX ^[3]	Agile		2021	Sports car	2.0L I4	Turbo	-

References

1. "BMW i3 pioneers use of carbon fiber in mass-produced cars" (<http://www.autonews.com/article/20131115/COPY01/311159959/bmw-i3-pioneers-use-of-carbon-fiber-in-mass-produced-cars>) . 14 November 2013.
2. "2016 McLaren 570S Dissected: Powertrain, Chassis, Design, and More! - Feature" (<http://www.caranddriver.com/features/2016-mclaren-570s-dissected-feature>) . 25 May 2015. Retrieved 2016-08-29.
3. "Models - Agile Automotive" (<https://agileautomotive.com/car-models/>) . 3 September 2020. Retrieved 2022-05-19.